

Start Date	Granting Agency	Project Title	Amount
1/1/1995	National Livestock and Meat Board	DEVELOPMENT OF A RAPID AND SENSITIVE METHOD FOR QUANTIFICATION OF CALPASTATIN	\$4,532
5/13/1996	National Livestock and Meat Board	USE OF CALCIUM CHLORIDE MARINATION TO ENHANCE CONSUMER ACCEPTANCE OF BEEF CUTS	\$10,000
8/22/1996	Ajinomoto Heartland Inc	LEAN SWINE NUTRIENT REQUIREMENTS UNDER STRESS	\$40,000
10/24/1996	National Livestock and Meat Board	MICROBIOLOGY OF RAW BEEF FROM CARCASSES CONTAMINATED WITH PATHOGENS AFTER RECEIVING INTERVENTIONS	\$47,200
5/1/1997	National Cattlemen's Beef Assoc. (NCBA)	EFFECT OF SEVERAL STRATEGIES TO CONTROL VARIATION IN BEEF TENDERNESS ON CONSUMER SATISFACTION	\$50,000
9/1/1997	Iowa State University	SEQUENCE OF TROPHECTODERM RNA EXPRESSION THROUGHOUT PORCINE CONCEPTUS ELONGATION	\$18,000
1/1/1998	Fund for Rural America	CONSUMER EVALUATION OF BEEF CLASSIFIED FOR TENDERNESS	\$400,000
6/15/1998	National Cattlemen's Beef Assoc. (NCBA)	DETERMINING THE VALUE OF TENDERNESS CLASSIFIED BEEF CUTS	\$26,044
10/1/1998	University of Nebraska	DYNAMIC RESPONSES OF FEEDLOT CATTLE EXPOSED TO HEAT STRESS	\$73,355
10/1/1998	Colorado State University	CENTRAL U.S. NIGEC ASSESSMENT PROGRAM	\$69,600
4/15/1999	Ajinomoto Heartland Inc	EVALUATE EFFECTS OF CYCLIC TEMPERATURE AND HEAT STRESS ON NUTRIENT REQUIREMENTS OF LEAN SWINE	\$50,000
6/15/1999	National Cattlemen's Beef Assoc. (NCBA)	EFFICACY OF OBJECTIVE MEASUREMENTS OF TENDERNESS FOR PROVIDING GUARANTEED TENDER BEEF CUTS	\$49,500
10/1/1999	University of Nebraska	CENTRAL U.S. NIGEC ASSESSMENT PROGRAM	\$46,400
11/17/1999	National Cattlemen's Beef Assoc. (NCBA)	DETERMINING THE VALUE OF TENDERNESS CLASSIFIED BEEF CUTS	\$6,511
3/1/2001	Department of Defense	GENETIC MECHANISMS FOR HOST CELL RESISTANCE TO VIRAL PATHOGENS	\$1,200,000

9/1/2001	National Cattlemen's Beef Assoc. (NCBA)	DEVELOPMENT OF A METHOD FOR SHIPPING SAMPLES FOR E COLI O157, LISTERIA MONOCYTOGENES AND SALMONELLA	\$49,500
9/15/2001	Michigan State University	FUNCTIONAL GENOMICS OF WELL-BEING AND MILK QUALITY IN CATTLE	\$97,475
4/1/2002	National Cattlemen's Beef Assoc. (NCBA)	ESCHERICIA COLI O157 INDICATOR ORGANISM	\$59,500
4/1/2002	National Cattlemen's Beef Assoc. (NCBA)	EFFICACY OF DE-HAIRING TO REDUCE E. COLI O157:H7 IN COMMERCIAL BEEF PROCESSING PLANTS	\$81,500
4/1/2002	National Cattlemen's Beef Assoc. (NCBA)	COMPARISON OF ANALYSIS FOR E. COLI O157:H7 OF SAMPLES FROM COMMERCIAL BEEF PROCESSING PLANTS	\$106,000
4/1/2003	National Cattlemen's Beef Assoc. (NCBA)	REGIONAL VARIATION IN THE INCIDENCE OF E. COLI O157:H7 ON THE HIDES AND CARCASSES OF FEEDLOT-FINISHED CATTLE	\$20,000
5/1/2003	National Cattlemen's Beef Assoc. (NCBA)	DETERMINATION OF THE INCIDENCE OF E. COLI O157:H7 AND SALMONELLA CONTAMINATION ON HIDES AND CARCASSES AT COW/BULL PACKING PLANTS	\$190,000
9/1/2003	National Cattlemen's Beef Assoc. (NCBA)	STANDARDIZATION OF SLICE SHEAR FORCE MEASUREMENTS ACROSS RESEARCH INSTITUTIONS AND EVALUATION OF REPEATABILITY OF SLICE SHEAR FORCE MEASUREMENT	\$9,200
9/1/2003	National Cattlemen's Beef Assoc. (NCBA)	MAPPING THE MUSCLE FIBER ORIENTATION AND ADAPTING SLICE SHEAR FORCE FOR MAJOR BEEF MUSCLES	\$80,300
9/1/2003	National Cattlemen's Beef Assoc. (NCBA)	PREDICTION OF BEEF CARCASS CUT-OUT YIELDS USING THE MARC BEEF IMAGE ANALYSIS SYSTEM	\$172,792
11/25/2003	Elanco Animal Health	MECHANISM OF THE EFFECTS OF GROWTH PROMOTANTS ON MEAT TENDERNESS	\$125,400
1/1/2004	National Cattlemen's Beef Assoc. (NCBA)	ESCHERICHIA COLI O157 INDICATOR ORGANISM	\$58,500
4/1/2004	National Cattlemen's Beef Assoc. (NCBA)	PREVALENCE OF E. COLI O157:H7 ON HIDES AND IN FECES OF FEEDLOT CATTLE OVER TIME	\$200,000

5/1/2004 National Cattlemen's Beef Assoc. (NCBA)	ON-LINE CLASSIFICATION OF U.S. SELECT BEEF CARCASSES FOR LONGISSIMUS TENDERNESS USING NEAR-INFRARED REFLECTANCE SPECTROSCOPY	\$49,700
5/1/2004 American Meat Institute Foundation (AMIF)	EFFECTS OF E-BEAM IRRADIATION OF CHILLED BEEF CARCASSES ON MEAT SAFETY AND MEAT QUALITY	\$150,000
1/1/2005 National Cattlemen's Beef Assoc. (NCBA)	MICROBIAL PROFILE OF IMPORTED RAW MATERIALS FOR GROUND BEEF	\$75,000
5/1/2005 National Cattlemen's Beef Assoc. (NCBA)	EFFECT OF STEAK LOCATION AND POSTMORTEM AGING TIME ON TOP SIRLOIN AND SHOULDER CLOD TENDERNESS	\$90,140
5/1/2005 National Cattlemen's Beef Assoc. (NCBA)	METHOD DEVELOPMENT FOR ENUMERATION OF E. COLI O157:H7 FOR GROUND BEEF AND HIDES, CARCASSES, AND FECES OF CATTLE	\$100,000
5/1/2005 National Cattlemen's Beef Assoc. (NCBA)	E. COLI O157:H7 SURVIVAL ON CATTLE HIDES	\$80,000
6/1/2005 National Cattlemen's Beef Assoc. (NCBA)	SEASONAL EFFECTS ON MULTI DRUG-RESISTANT SALMONELLA SPP. AND LISTERIA MONOCYTOGENES PREVALENCE AT COW/BULL PROCESSING PLANTS	\$199,302
7/1/2005 American Sheep Industry Assn	DNA MARKERS FOR TRACEBACK, PARENTAGE, AND IDENTIFICATION PURPOSES IN SHEEP	\$5,000
5/1/2006 National Cattlemen's Beef Assoc. (NCBA)	EFFECTS OF POND ASH AS A FEEDLOT PEN SURFACE AND ANIMAL STRESS-LEVEL ON THE PREVALENCE, LEVELS, AND ... (SEE REMARKS FOR FULL TITLE)	\$104,500
5/1/2006 National Cattlemen's Beef Assoc. (NCBA)	EFFECT OF NEEDLE TENDERIZATION, AGING TIME AND AGING TEMPERATURE ON POSTMORTEM PROTEOLYSIS	\$45,750
5/1/2006 National Cattlemen's Beef Assoc. (NCBA)	AND TENDERNESS OF BEEF	
5/1/2006 National Cattlemen's Beef Assoc. (NCBA)	EFFECTS OF ANTIMICROBIAL INTERVENTIONS ON MULTIDRUG-RESISTANT (MDR) SALMONELLA	\$51,080
5/1/2006 National Cattlemen's Beef Assoc. (NCBA)	EFFECTS OF PROCESSING PLANT LAIRAGE ON THE PREVALENCE AND LOAD OF E. COLI O157:H7 ON THE HIDES	
5/1/2006 National Cattlemen's Beef Assoc. (NCBA)	OF BEEF CATTLE	\$130,000
5/1/2006 National Cattlemen's Beef Assoc. (NCBA)	REDUCTION OF SALMONELLA IN CATTLE FECES AND ON CATTLE HIDES	\$90,000

11/1/2006	National Cattlemen's Beef Assoc. (NCBA)	PREVALENCE OF MYCOBACTERIUM AVIUM PARATUBERCULOSIS IN LYMPH NODES & ON HIDES & CARCASSES FROM CULL COW & FED CATTLE SLAUGHTER PLANTS	\$90,000
12/1/2006	National Cattlemen's Beef Association	DETERMINATION OF THE PREVALENCE AND LEVEL OF MULTI-DRUG RESISTANT (MDR) SALMONELLA IN CALF-FED HOLSTEIN STEERS	\$19,950
12/15/2006	National Cattlemen's Beef Assoc. (NCBA)	PREVALENCE OF CHARACTERIZATION OF NON-O157 EHEC/STEC ON PRE- AND POST-INTERVENTION CULL COW CARCASSES AND IN GROUND BEEF	\$50,000
5/1/2007	National Pork Board	ENUMERATION OF SALMONELLA THROUGHOUT THE PORK HARVESTING PROCESS	\$37,600
5/1/2007	National Cattlemen's Beef Assoc. (NCBA)	GENETIC VARIATION BETWEEN SHIGA-TOXIGENIC E. COLI (STEC) O157 STRAINS OF HUMAN CLINICAL AND BEEF ORIGIN	\$100,000
5/1/2007	National Cattlemen's Beef Assoc. (NCBA)	EVALUATION OF BEEF RECTUS FEMORIS STEAKS AS SUBSTITUTIONS FOR BEEF TOP SIRLOIN STEAKS IN FOOD SERVICE APPLICATIONS	\$80,000
5/14/2007	Ivy Animal Health Inc.	EFFECTS ON ESCHERICHIA COLI O157:H7 AND SALMONELLA PREVALENCE AND LEVELS FROM FEEDING A DIRECT FED MICROBIAL (DFM) TO FEEDLOT CATTLE	\$76,032
5/14/2007	National Cattlemen's Beef Assoc. (NCBA)	SOURCE ATTRIBUTION OF ANTIBIOTIC RESISTANT SALMONELLA IN CATTLE PROCESSING PLANTS	\$159,710
6/1/2007	National Cattlemen's Beef Assoc. (NCBA)	COLONIZATION CHARACTERISTICS OF BOVINE RECTO-ANAL JUNCTION TISSUE BY ESCHERICHIA COLI O157:H7	\$79,144
10/1/2007	Nebraska Corn Board	EFFECT OF DISTILLERS GRAINS ON CARCASS GRADE, RIBEYE TENDERNESS AND CARCASS VALUE	\$25,000
10/29/2007	National Cattlemen's Beef Assoc. (NCBA)	EFFECT OF DISTILLERS GRAINS ON E. COLI O157:H7 IN FINISHING FEEDLOT CATTLE	\$75,000
10/29/2007	National Cattlemen's Beef Assoc. (NCBA)	HIDE TO CARCASS TRANSFER OF E. COLI O157:H7 AND SALMONELLA IN SMALL SCALE (LESS THAN 1000 HEAD/DAY) BEEF PROCESSING PLANTS	\$102,000

3/1/2008	National Cattlemen's Beef Assoc. (NCBA)	COMPLETE GENOMIC SEQUENCE OF SIX SHIGA-TOXIGENIC E. COLI (STEC) NON-O157 STRAINS	\$100,000
5/1/2008	National Pork Board	IDENTIFICATION OF QUANTITATIVE TRAIT NUCLEOTIDES (QTN) FOR PORK TENDERNESS	\$46,700
5/1/2008	National Cattlemen's Beef Assoc. (NCBA)	STRATEGIES TO IMPROVE THE TENDERNESS OF VASTUS LATERALIS MUSCLES	\$56,500
5/1/2008	National Cattlemen's Beef Assoc. (NCBA)	EVALUATION OF THE INTERACTION BETWEEN GENOTYPE AND ADMINISTRATION OF AGGRESSIVE IMPLANT STRATEGIES ON BEEF TENDERNESS	\$66,000
10/1/2008	Ohio State University	GENETIC MARKER ASSOCIATIONS WITH PORK PALATABILITY IN COMMERCIAL MARKET HOGS	\$15,000
1/1/2009	University of Wisconsin	FINE-MAPPING AND POSITIONAL CANDIDATE GENE ANALYSIS OF TWINNING RATE QTL	\$3,000
4/1/2009	American Society of Heating, Refrigeration, & AC Engi	HEAT AND MOISTURE PRODUCTION RATES FOR MODERN SWINE AND THEIR HOUSING SYSTEMS	\$180,000
5/1/2009	National Pork Board	EFFECT OF PREGNANT GILT ZINC AND LIPID SUPPLEMENTATION ON NEONATAL PIGLET BRAIN MYELINATION AND PREWEANING MORTALITY	\$25,000
5/1/2009	National Cattlemen's Beef Assoc. (NCBA)	BEYOND LONGISSIMUS: THE IMPACT ON OTHER MUSCLES OF SORTING CARCASSES FOR TENDERNESS AND RETAIL COLOR STABILITY WITH VISNIR SPECTROSCOPY	\$80,000
5/1/2009	National Cattlemen's Beef Assoc. (NCBA)	GENE EXPRESSION RESPONSE OF SALMONELLA TO MULTIPLE HURDLE CARCASS PROCESSING INTERVENTIONS	\$65,000
5/1/2009	National Pork Board	IDENTIFICATION OF SNP MARKERS ASSOCIATED WITH WEANING TO ESTRUS INTERVAL IN COMMERCIAL FIRST PARITY SOWS	\$112,000
12/1/2009	National Pork Board	DEVELOPMENT OF TECHNOLOGY FOR ACCURATE, RAPID PORK LOIN TENDERNESS PREDICTION	\$50,000
1/15/2010	National Cattlemen's Beef Assoc. (NCBA)	DETERMINE IF REVALIDATION IS REQUIRED FOR CHANGES IN SAMPLE SIZE OR MATRIX ON E. COLI O157:H7 DETECTION TESTS	\$68,000

3/15/2010 American Meat Institute Foundation (AMIF)	EVALUATION OF COMMONLY USED ANTIMICROBIAL INTERVENTIONS ON SEROTYPES O26, O103, O111, AND O145 NON-O157 SHIGA TOXIN PRODUCING E. COLI	\$22,576
5/1/2010 National Cattlemen's Beef Assoc. (NCBA)	INTERACTION OF VISNIR PREDICTED TENDERNESS CLASS, AGING TIME, AND BLADE TENDERIZATION ON SLICE SHEAR FORCE OF LONGISSIMUS AND GLUTEUS MEDIUS	\$60,007
7/1/2010 American Meat Institute Foundation (AMIF)	EFFICACY OF ANTIMICROBIAL INTERVENTIONS ON SHIGA TOXIN-PRODUCING ESCHERICHIA COLI SEROTYPES O45, O121, AND SALMONELLA INOCULATED FRESH MEAT	\$23,000
8/1/2010 Nebraska Beef Council	INNOVATIVE BEEF TRIM SAMPLING TECHNIQUE TO IMPROVE THE ACCURACY OF DETECTING E. COLI O157:H7 AND OTHER STECS	\$40,000
10/1/2010 Texas Tech University	IDENTIFICATION AND CHARACTERIZATION OF POPULATION(S) AT GREATEST RISK FOR THE PRESENCE OF SALMONELLA WITHIN LYMPH NODES.	\$24,740
10/1/2010 National Cattlemen's Beef Assoc. (NCBA)	EFFECTS OF SRP VACCINATION ON THE PREVALENCE AND LOAD OF E. COLI O157:H7 AND NON-O157 STEC ON THE HIDES OF BEEF CATTLE AT HARVEST	\$140,000
10/1/2010 National Cattlemen's Beef Assoc. (NCBA)	EVALUATING THE EFFICACY INCLUSION OF BROMINE IN DRINKING WATER ON THE PREVALENCE OF PATHOGEN SHIGA TOXIN PRODUCING E. COLI IN FEEDLOT CATTLE	\$30,000
12/1/2010 National Cattlemen's Beef Assoc. (NCBA)	INVESTIGATION OF MOLECULAR TARGETS THAT IDENTIFY THE PRESENCE OF PATHOGENIC NON-O157 STEC E. COLI O157:H7 IN BIOAEROSOLS FROM CATTLE	\$30,250
1/1/2011 University of California, Davis	PRODUCTION AREAS: EVALUATION OF PROXIMITY & AIRBORNE TRANSPORT ON LEAFY GREEN CROP CONTAMINATION	\$296,360
4/1/2011 King Saud University	EFFECTS OF FREEZING, THAWING, AND AGING ON MEAT TENDERNESS	\$35,000

4/1/2011	National Cattlemen's Beef Assoc. (NCBA)	LONG POSTMORTEM AGING EFFECTS ON TENDERNESS, FLAVOR, LEAN COLOR, AND COLOR STABILITY OF BEEF TOP LOIN AND TOP SIRLOIN STEAKS	\$76,550
5/1/2011	Elanco	BASELINE STUDY OF E. COLI O157:H7 PREVALENCE AND LEVELS ON CATTLE HIDES AT PROCESSING	\$13,334
9/1/2011	Texas Tech University	SOLUTIONS FOR THE FOOD SAFETY THREAT POSED BY SALMONELLA IN THE LYMPH NODES OF CATTLE PRESENTED FOR HARVEST	\$40,000
10/1/2011	Texas Agrilife Research	NATIONAL BEEF QUALITY AUDIT 2011	\$15,000
10/1/2011	Nebraska Beef Council	DETERMINING OPTIMAL SANITIZER EFFECTIVENESS AGAINST PATHOGENIC BACTERIAL BIOFILM COMMONLY FOUND ON MEAT PROCESSING EQUIPMENT SURFACES	\$35,000
11/1/2011	National Cattlemen's Beef Assoc. (NCBA)	CHARACTERIZATION OF E. COLI O157:H7 STRAINS ASSOCIATED WITH SUPER-SHEDDING CATTLE	\$45,000
11/1/2011	National Cattlemen's Beef Assoc. (NCBA)	DISCOVERY OF MOLECULAR TARGETS FOR IDENTIFYING THE TOP SIX HUMAN DISEASE-CAUSING SHIGA-TOXIGENIC E. COLI NON-O157 STRAINS	\$100,000
11/1/2011	National Cattlemen's Beef Assoc. (NCBA)	CHARACTERIZATION OF SALMONELLA GENE EXPRESSION PROFILES WHEN PRESENT IN CATTLE SUBILIAC LYMPH NODES--PROOF OF CONCEPT	\$35,000
2/1/2012	American Meat Institute Foundation (AMIF)	IDENTIFICATION OF BOVINE RESERVOIRS OF HUMAN PATHOGENIC NON-O157 SHIGA TOXIN-PRODUCING E. COLI	\$80,000
10/1/2012	National Pork Board	EFFECT OF LYSOZYME OR ANTIBIOTICS IN AMELIORATING THE EFFECTS OF AN INDIRECT DISEASE CHALLENGE	\$69,964
10/1/2012	National Cattlemen's Beef Assoc. (NCBA)	EXAMINATION OF POTENTIAL ENVIRONMENTAL PREDICTORS OF SALMONELLA CONTAMINATION IN FEEDLOT ENVIRONMENTS	\$60,000
12/1/2012	National Cattlemen's Beef Assoc. (NCBA)	Validation of environmental predictors of Salmonella contamination in feedlot environments	\$30,000
12/15/2012	National Pork Board	Dietary effects on sow productivity to three parities	\$1,028,496

12/15/2012 National Pork Board	OPTIMAL DIETARY ENERGY AND PROTEIN FOR THE DEVELOPMENT OF GILTS	\$353,150
3/1/2013 King Saud University	Methods for understanding variation in beef tenderness	\$40,000
5/1/2013 North American Meat Association (NAMA)	Reference Data Resource Creation: Genomic and Phenotypic Characterization of Salmonella enterica Serotypes for Examining Salmonella Virulence	\$166,000
6/15/2013 National Cattlemen's Beef Association	Antibiotic Resistance by Source: Human-cattle-swine	\$20,480
8/1/2013 Iowa State University	Characterization of a novel translational model for Becker muscular dystrophy	\$33,000
8/15/2013 Kansas State University	Epidemiology of Mannheimia haemolytica in Coningled Feedlot Cattle	\$75,000
10/1/2013 Nebraska Beef Council	Prevalence and Enumeration of Antimicrobial Resistant Escherichia coli and Salmonella Throughout the Beef Production Continuum	\$52,222
2/1/2014 American Meat Institute Foundation (AMIF)	Hide-on Carcass Wash System with Thermal/Chemical Dehairing and Mechanical Scraping	\$40,000